

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query                                                    | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|------|-----------------------------------------------------------------|--------------------|------------------|---------|---------------------|
| S1    | 1    | "20040124484"                                                   | US-PGPUB;<br>USPAT | OR               | ON      | 2008/11/22<br>18:20 |
| S2    | 2    | "20050030674"                                                   | US-PGPUB;<br>USPAT | OR               | ON      | 2008/11/22<br>20:06 |
| S3    | 779  | 360/324.11.ccls.                                                | US-PGPUB;<br>USPAT | OR               | ON      | 2008/11/22<br>20:17 |
| S4    | 477  | 360/324.11.ccls.                                                | USPAT              | OR               | ON      | 2008/11/22<br>20:17 |
| S5    | 5    | antiferromagnetic near<br>barrier                               | US-PGPUB;<br>USPAT | OR               | ON      | 2008/11/22<br>20:18 |
| S6    | 237  | barrier with (nio coo fe2o3<br>("fe.sub.2" near "o.<br>sub.3")) | US-PGPUB;<br>USPAT | OR               | ON      | 2008/11/22<br>20:19 |
| S7    | 118  | barrier with (nio coo fe2o3<br>("fe.sub.2" near "o.<br>sub.3")) | USPAT              | OR               | ON      | 2008/11/22<br>20:19 |
| S8    | 109  | S6 and (antiferromagnetic<br>(anti near ferromagnetic))         | US-PGPUB;<br>USPAT | OR               | ON      | 2008/11/22<br>20:20 |
| S9    | 60   | S8 and (base emitter<br>collector)                              | US-PGPUB;<br>USPAT | OR               | ON      | 2008/11/22<br>20:21 |
| S10   | 2    | S8 and (base and emitter<br>and collector)                      | US-PGPUB;<br>USPAT | OR               | ON      | 2008/11/22<br>20:21 |
| S11   | 2    | "20050030674"                                                   | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/17<br>12:09 |
| S12   | 19   | spin near tunnel with<br>transistor                             | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/17<br>12:10 |
| S13   | 256  | barrier with (nio coo fe2o3<br>("fe.sub.2" near "o.<br>sub.3")) | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/17<br>12:57 |
| S14   | 1085 | 257/197.ccls.                                                   | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/17<br>12:58 |
| S15   | 734  | 257/197.ccls.                                                   | USPAT              | OR               | ON      | 2009/07/17<br>12:58 |
| S16   | 351  | 257/197.ccls.                                                   | US-PGPUB           | OR               | ON      | 2009/07/17<br>12:59 |
| S17   | 1    | S14 and ((cobalt iron<br>nickel) near oxide)                    | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/17<br>13:00 |
| S18   | 122  | S14 and (cobalt iron<br>nickel)                                 | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/17<br>13:01 |

|     |       |                                                                                                                                                                                                                                                      |                              |    |     |                     |
|-----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|---------------------|
| S19 | 6     | S14 and ((cobalt with oxide) CoO)                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/17<br>13:01 |
| S20 | 68197 | (cobalt with iron with nickel)                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/17<br>13:28 |
| S21 | 13203 | S20 and (aluminum near oxide)                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/17<br>13:29 |
| S22 | 157   | S21 and (emitter and collector and base)                                                                                                                                                                                                             | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/17<br>13:30 |
| S23 | 13    | "6501143"                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/17<br>13:38 |
| S24 | 18    | "6707084"                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/19<br>10:43 |
| S25 | 2     | "7220669"                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/19<br>12:44 |
| S26 | 19    | ("20040038529"   "4058430"   "5382333"   "5711611"   "5780175"   "5939334"   "5998048"   "6006763"   "6143658"   "6144060"   "6203613"   "6342277"   "6404191"   "6478931"   "6482740"   "6551399"   "6617173"   "6878628").PN. OR ("7220669").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/07/19<br>13:10 |
| S27 | 870   | magnetic near flux near guide                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/19<br>14:00 |
| S28 | 179   | S27 and (fe and CO and ni)                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/19<br>14:00 |
| S29 | 16    | S28 and (tunnel near barrier)                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/19<br>14:01 |
| S30 | 4837  | ((257/295) or (257/422) or (257/E27.005) or (257/E43.004)).CCLS.                                                                                                                                                                                     | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/19<br>15:29 |

### EAST Search History (Interference)

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6/5/2010 2:17:51 PM

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